

FIG.1

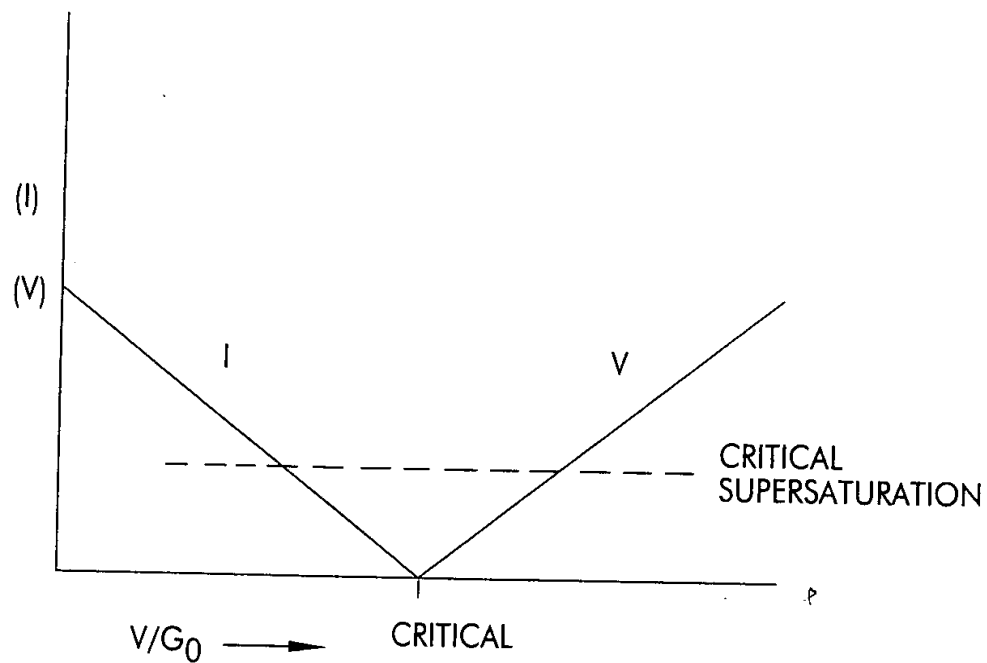


FIG.2

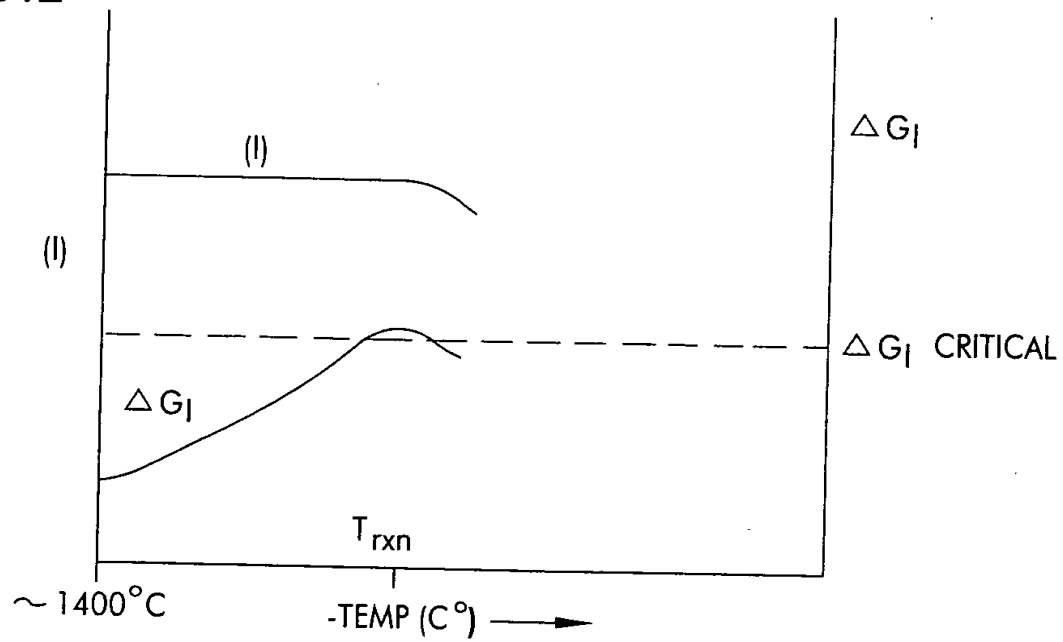


FIG.3

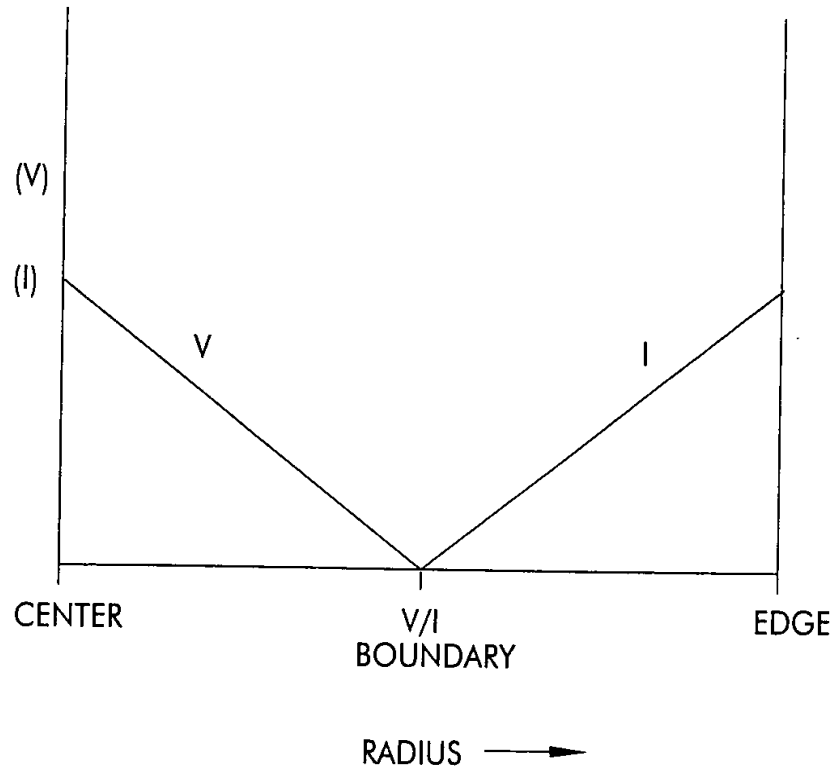
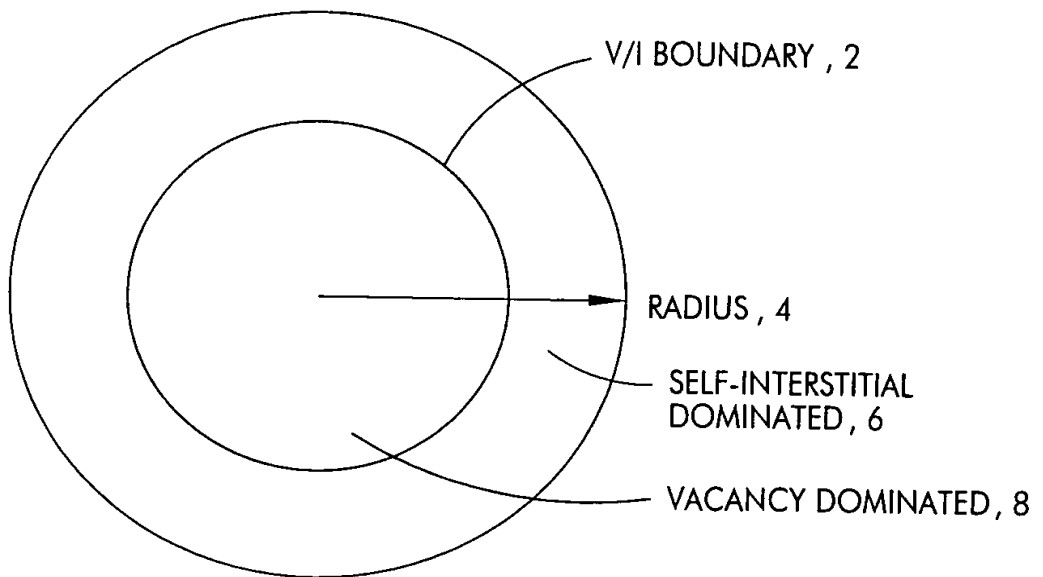
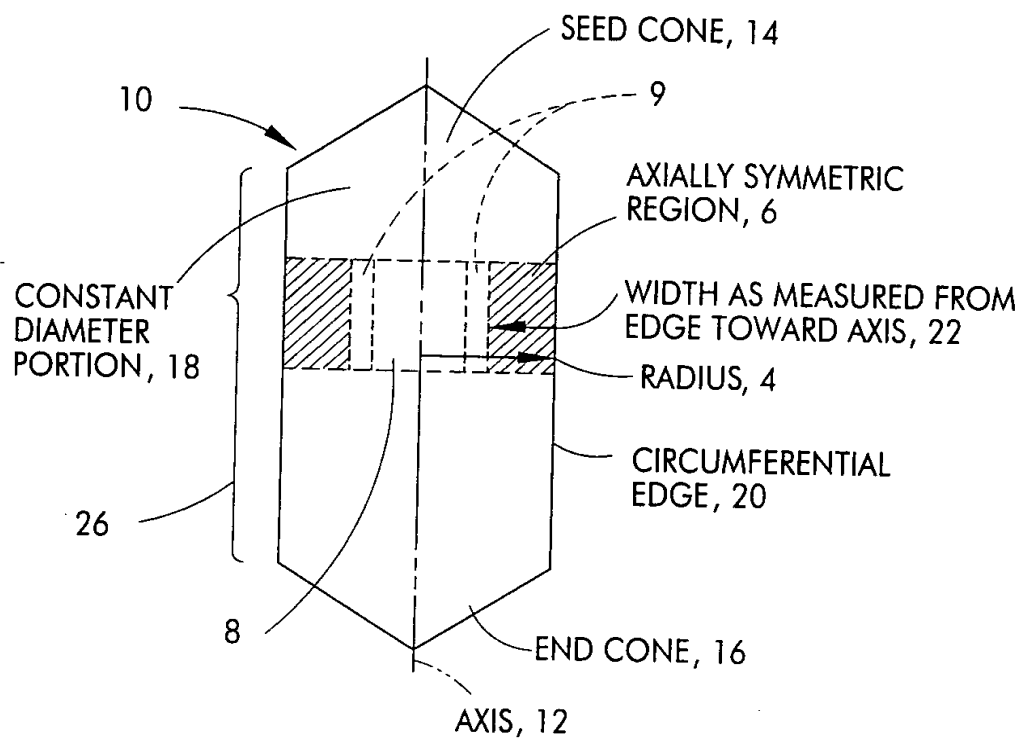


FIG.4



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[illegible]

201120-905E2001

FIG. 6

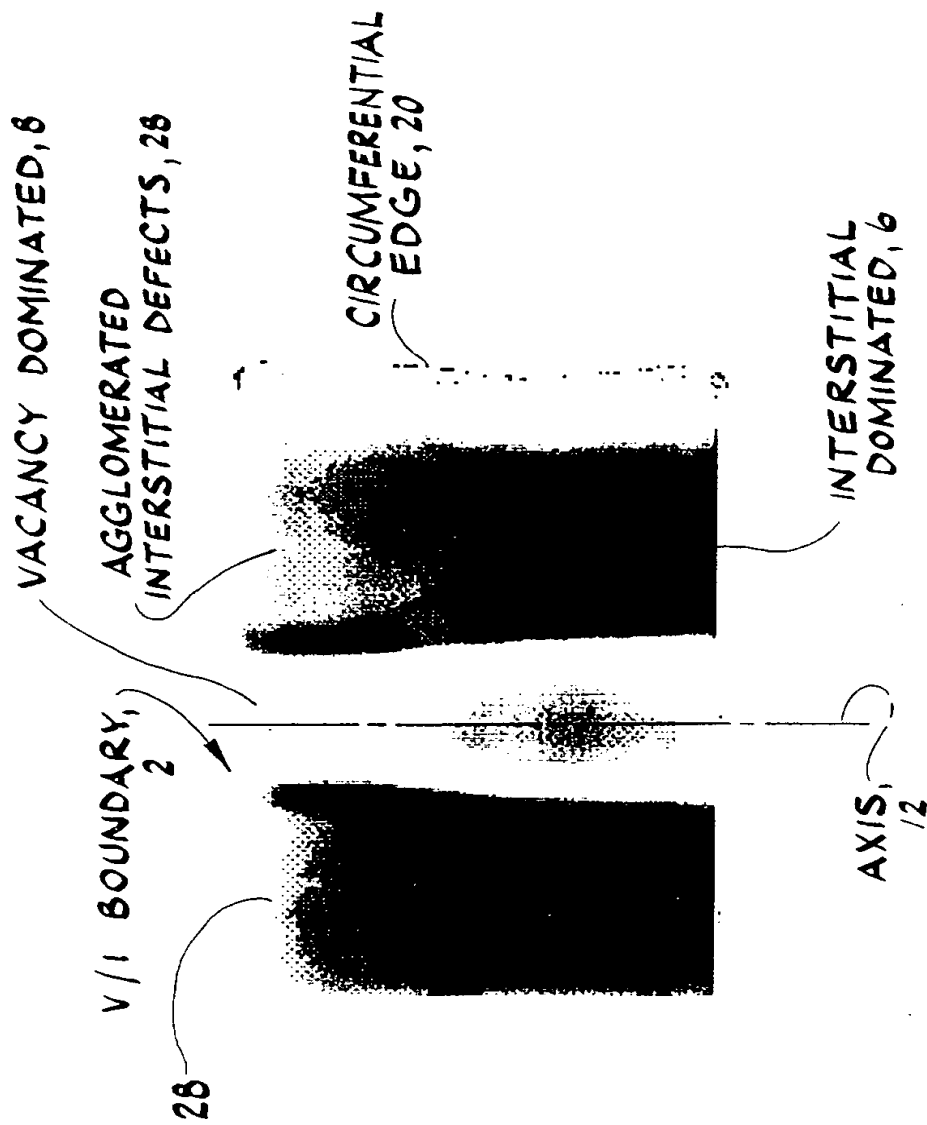


FIG. 7

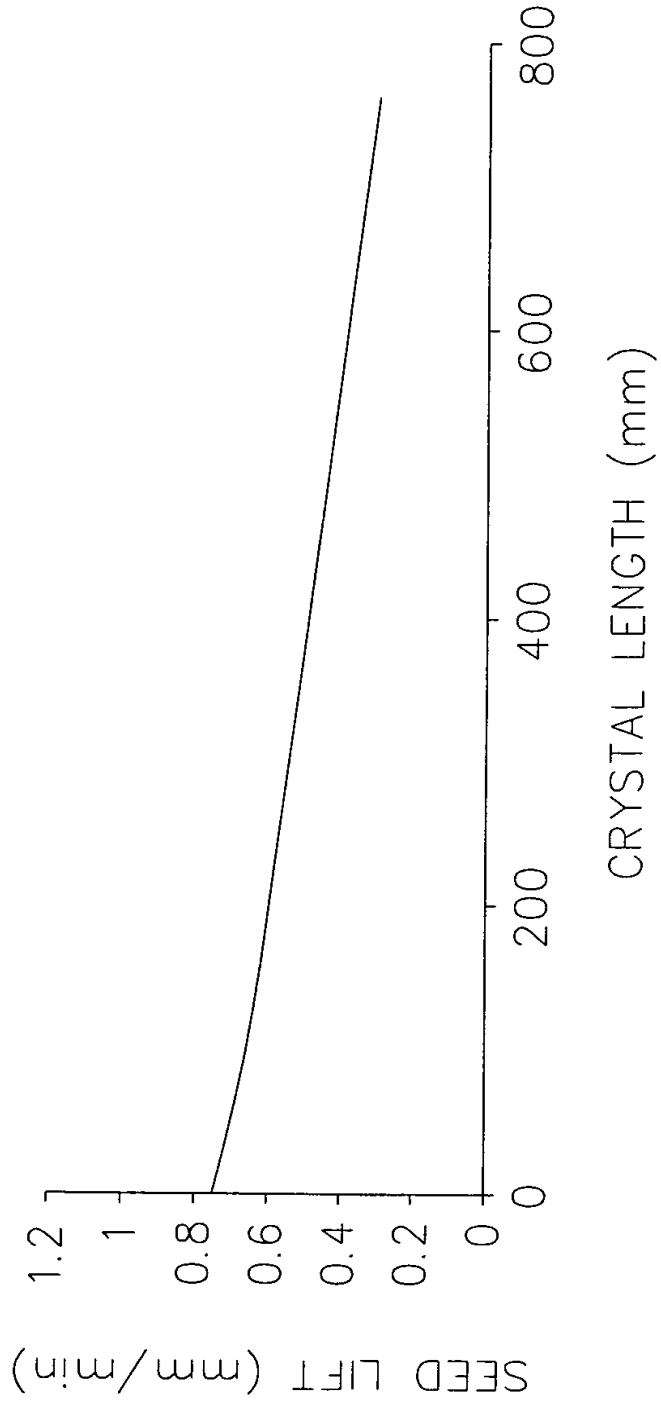


FIG. 8

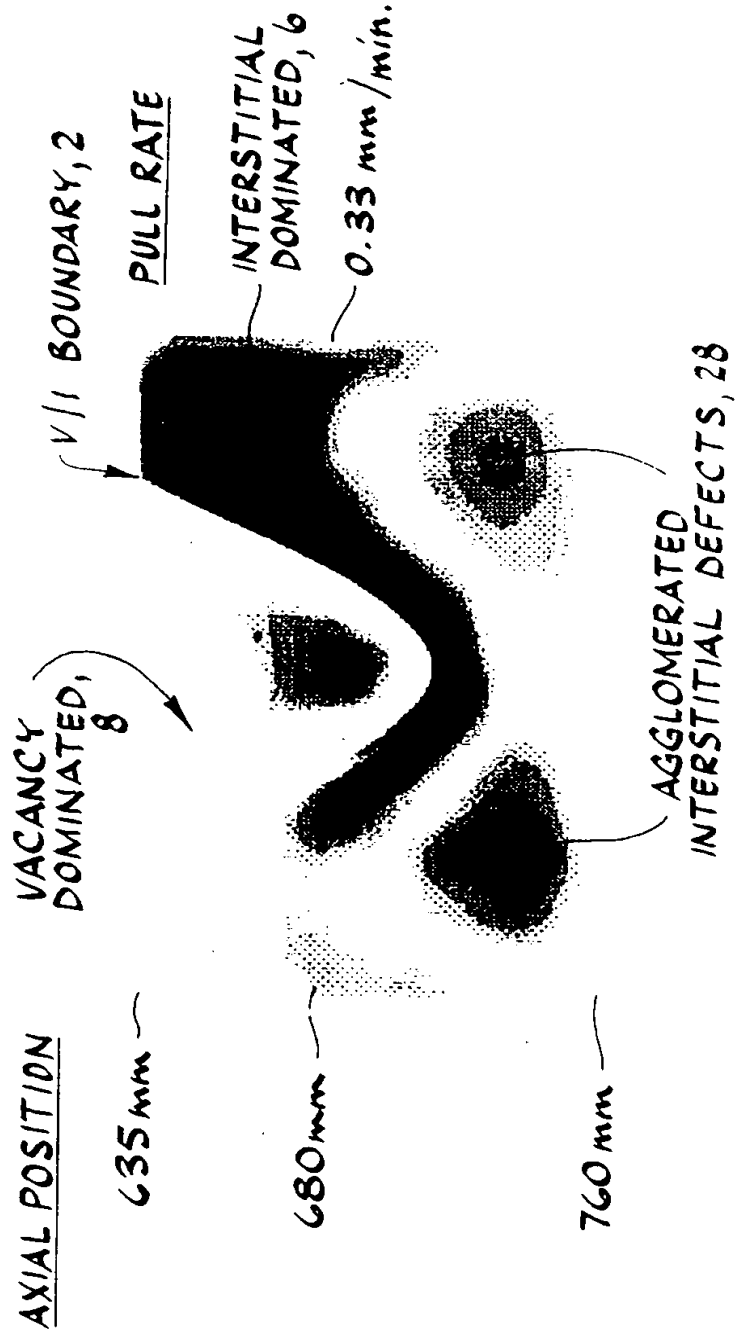


FIG. 9

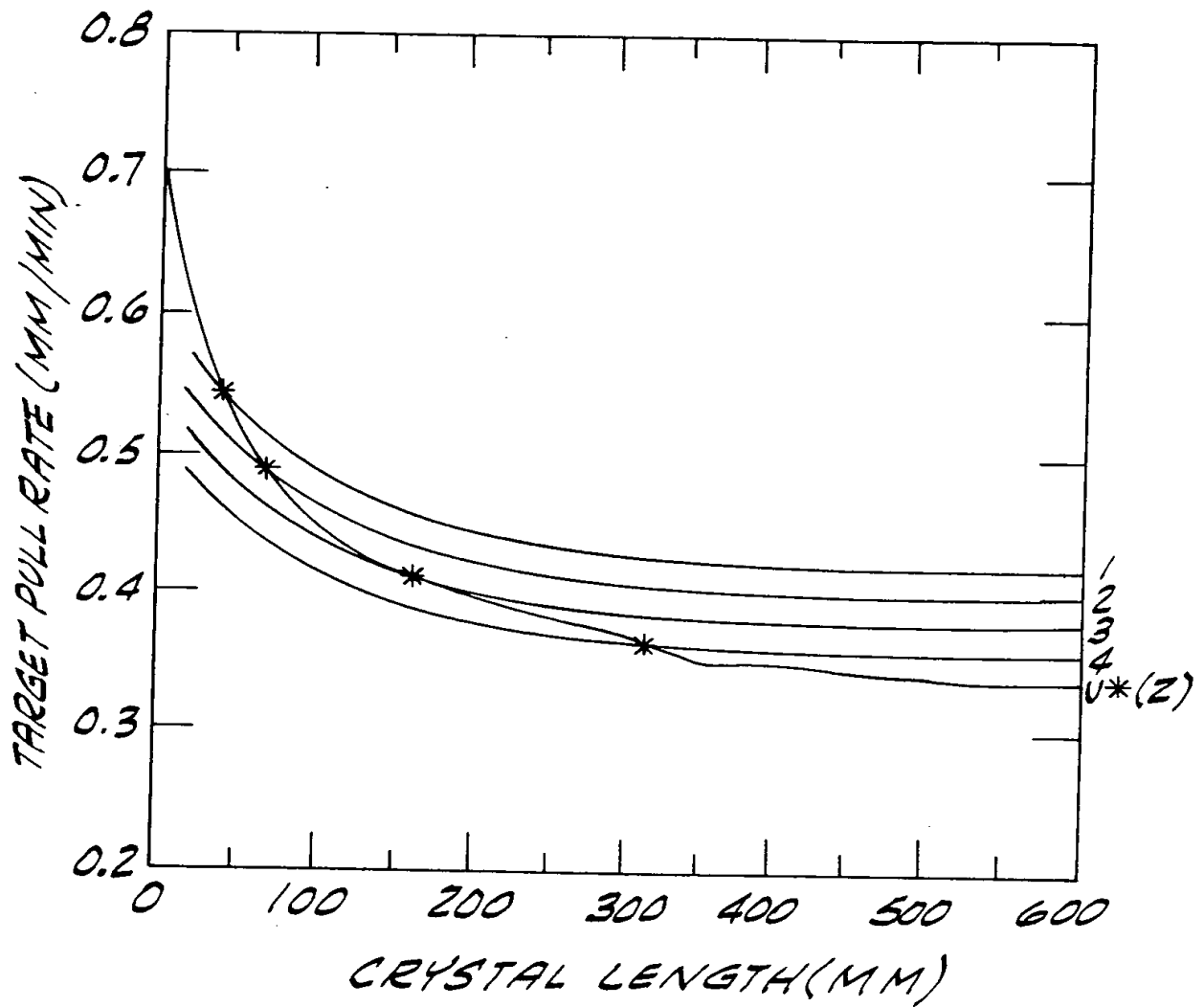


FIG. 10

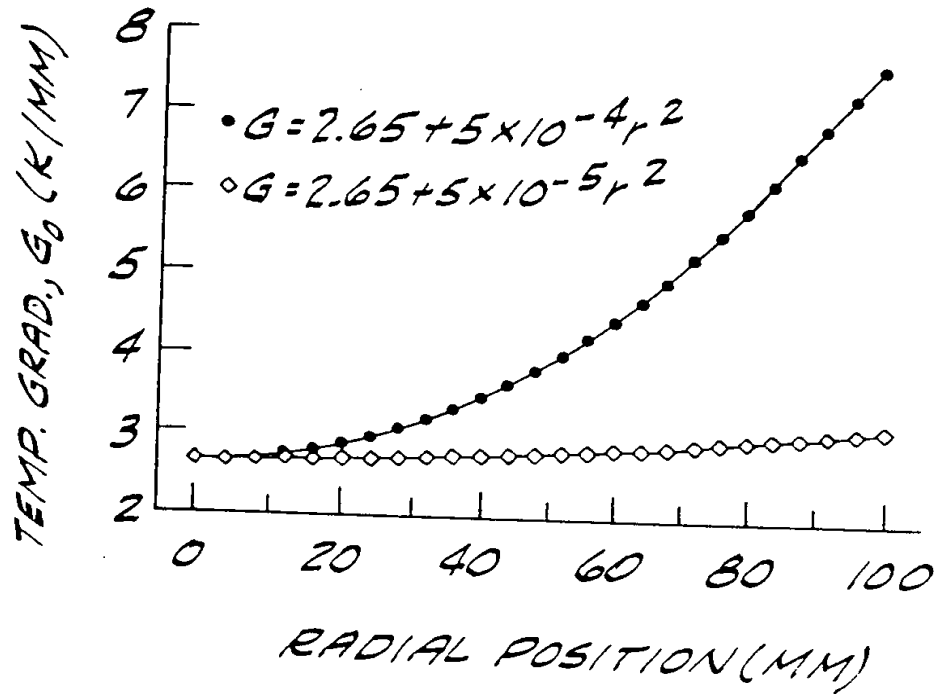


FIG. 11

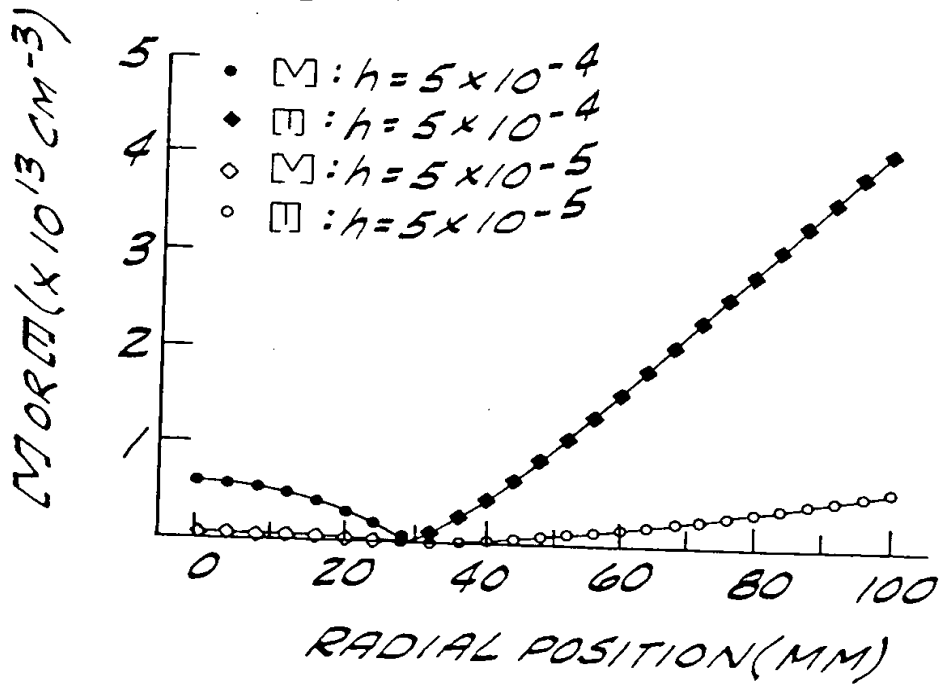




FIG. 12

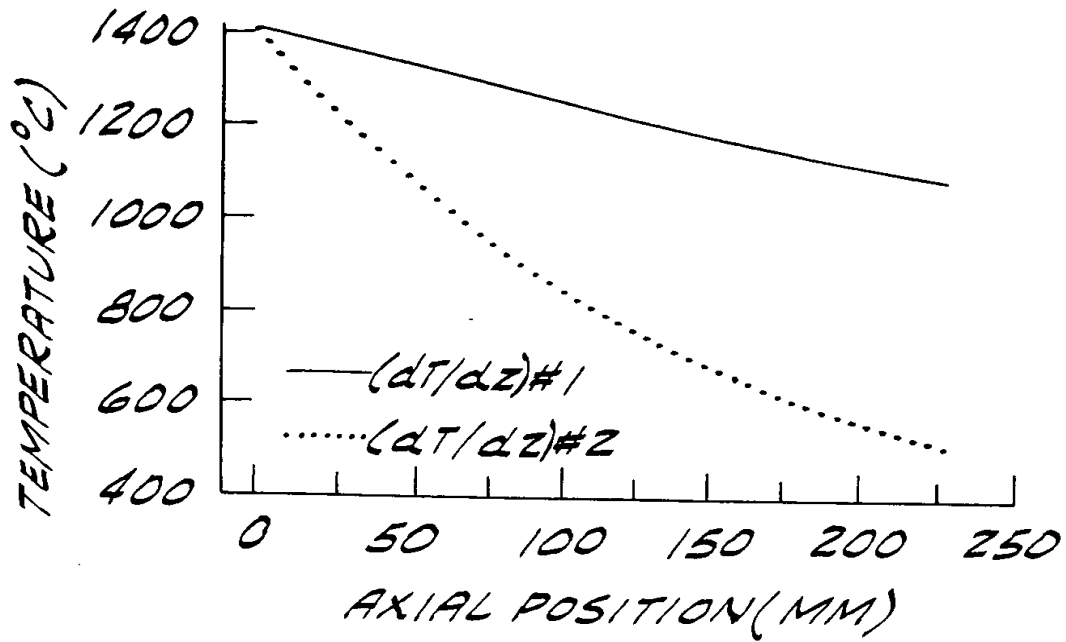


FIG. 13

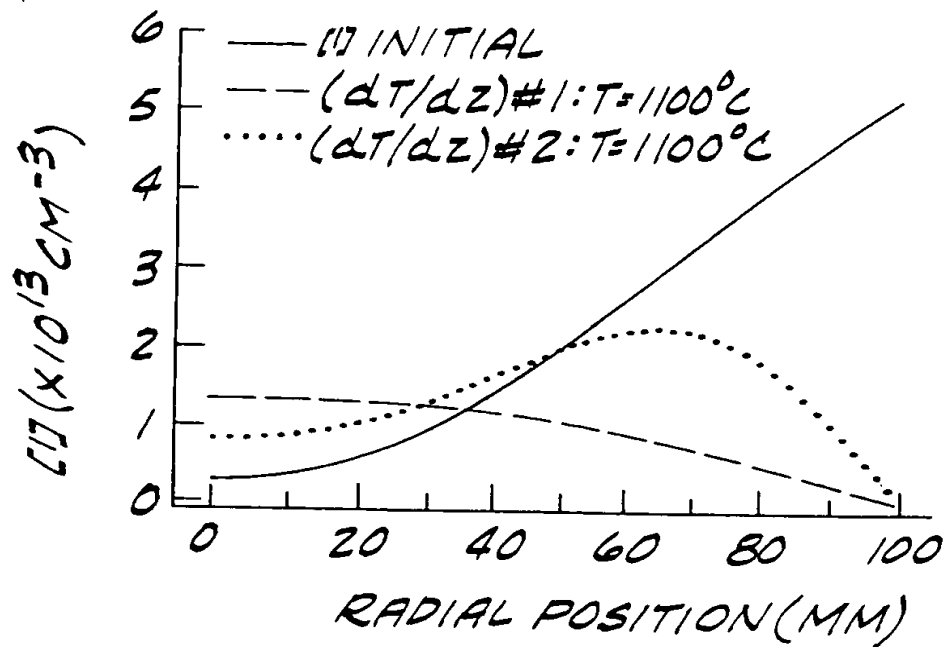


FIG. 14

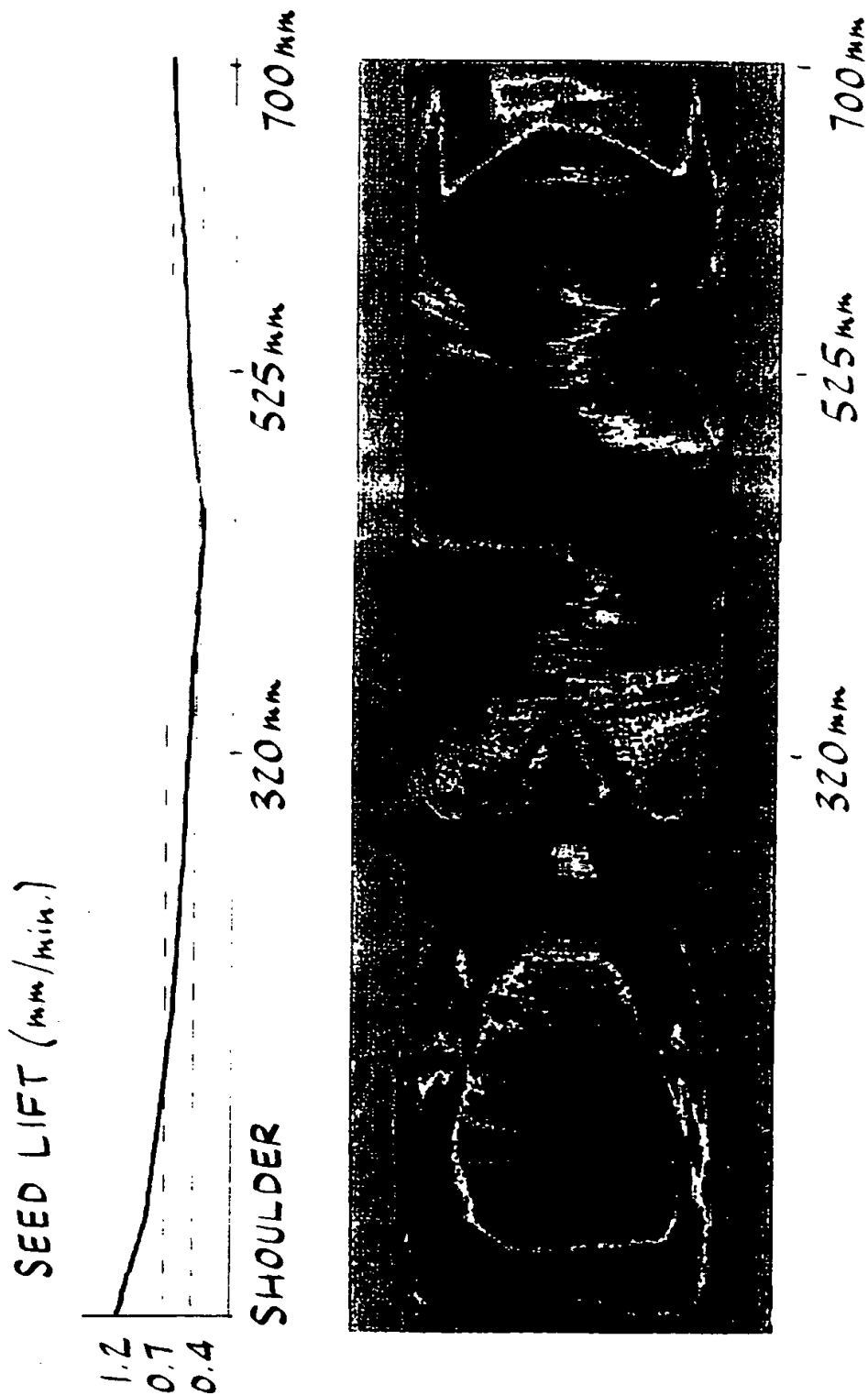
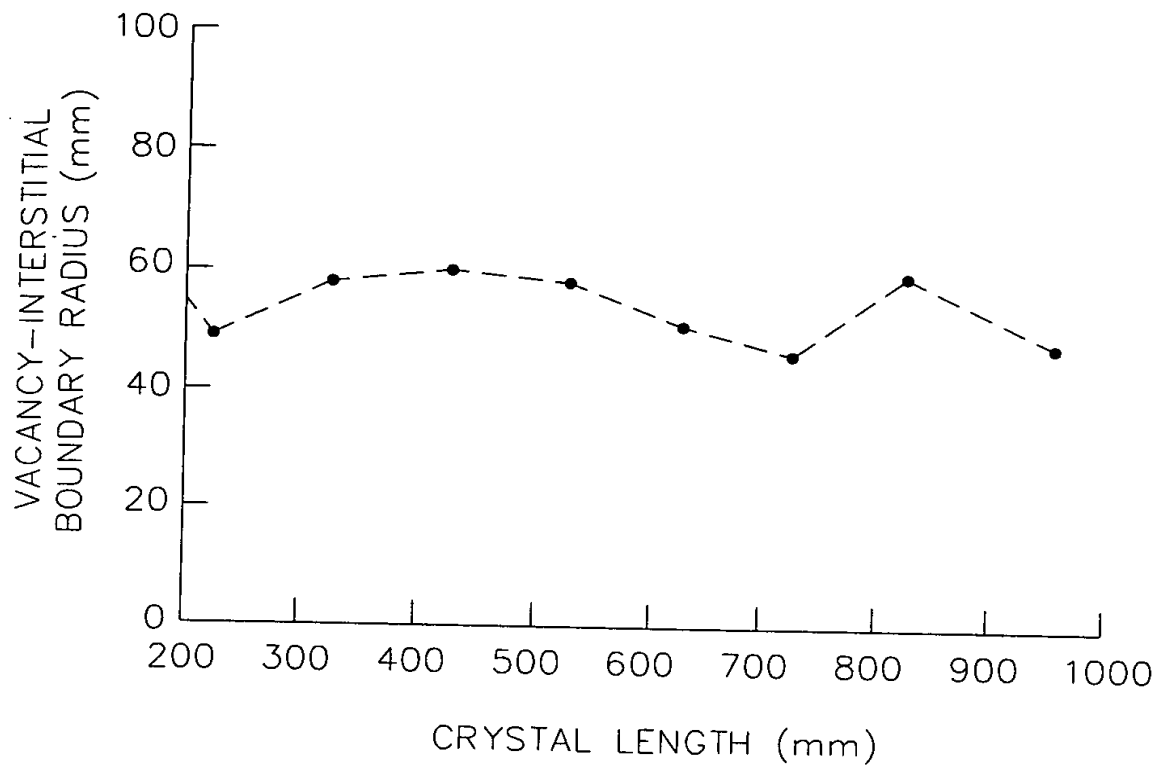
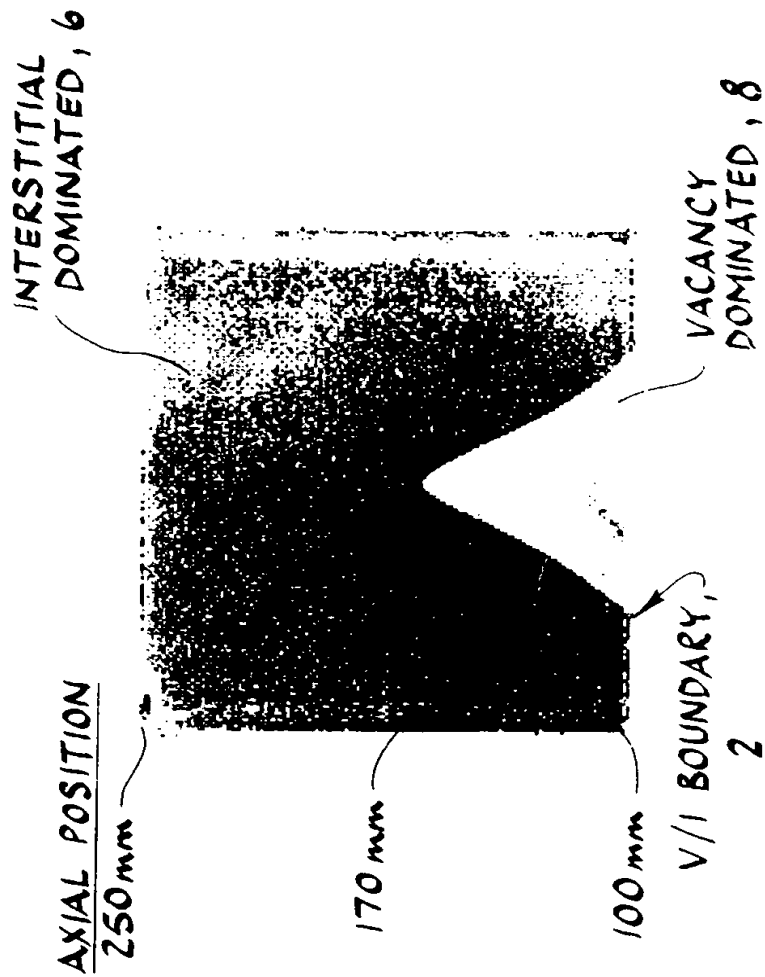


FIG. 15



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FIG. 16a





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FIG. 16b

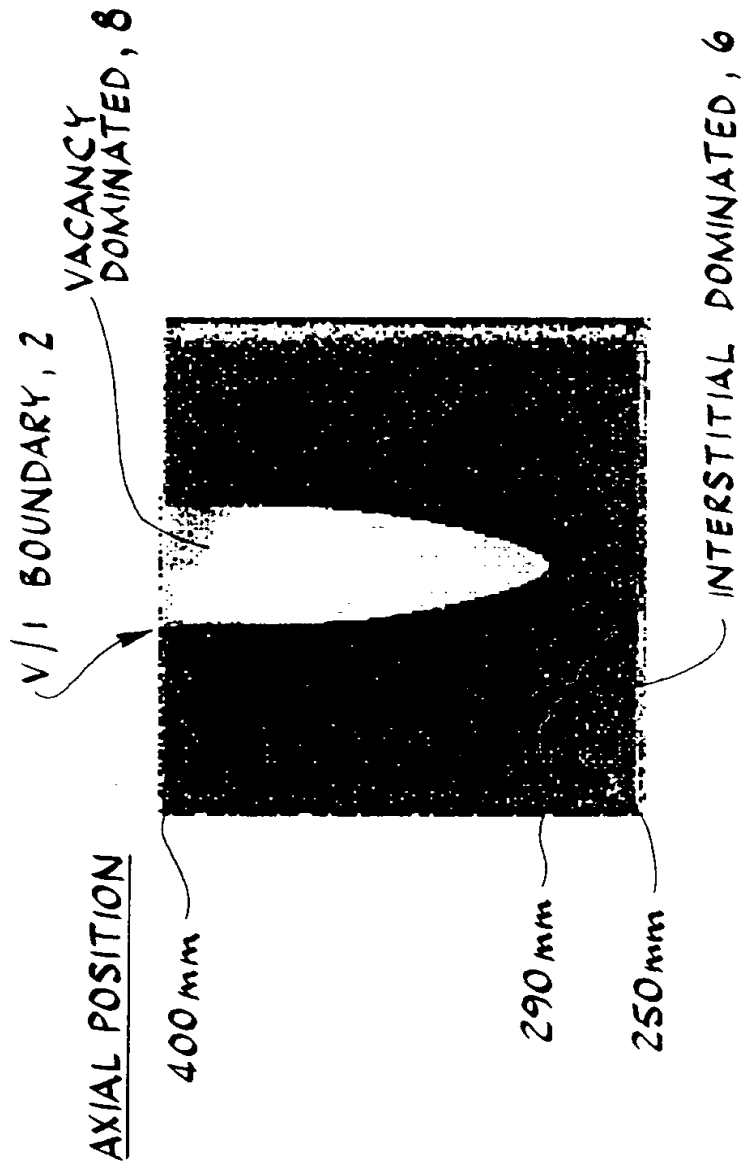


FIG.17

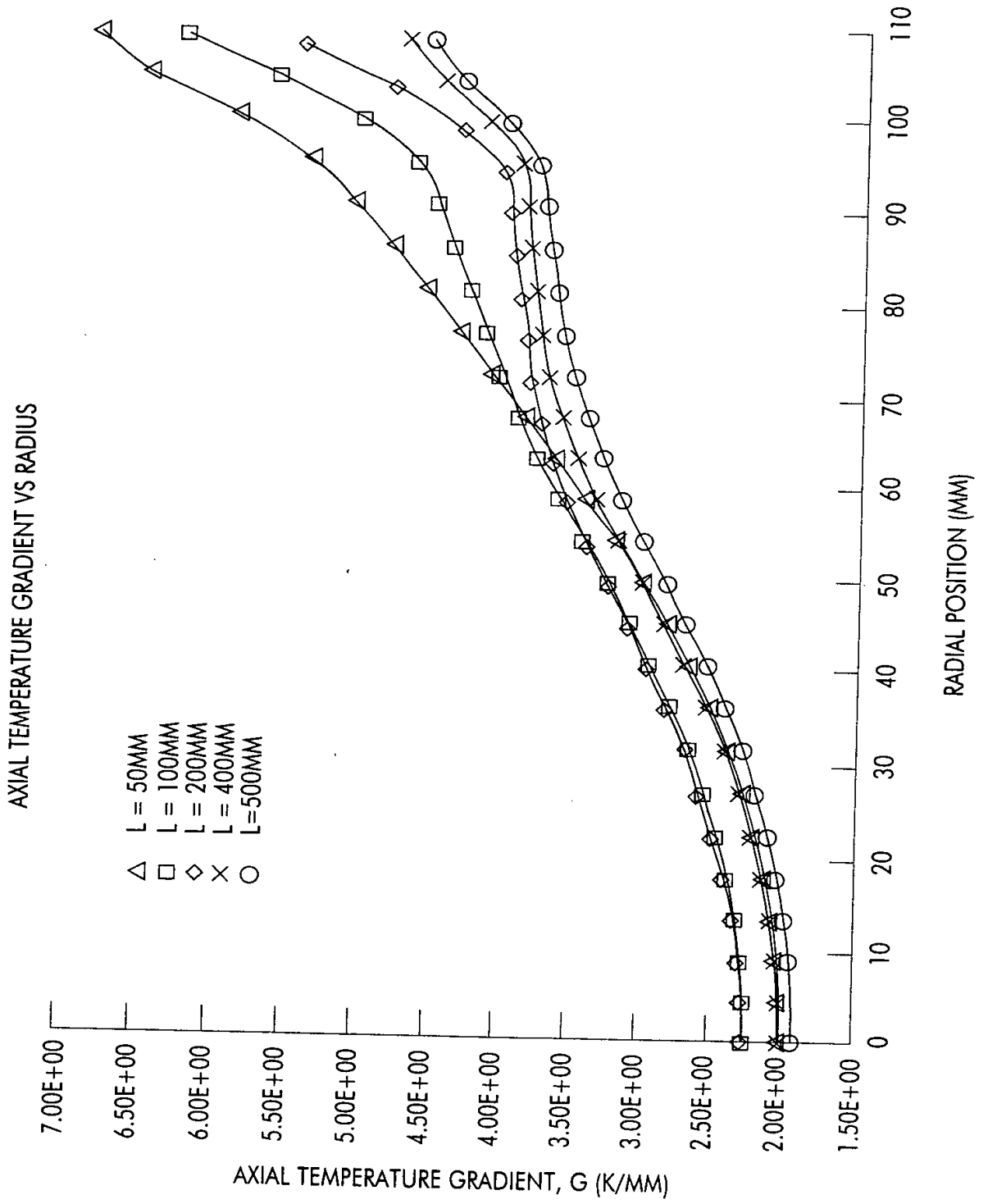
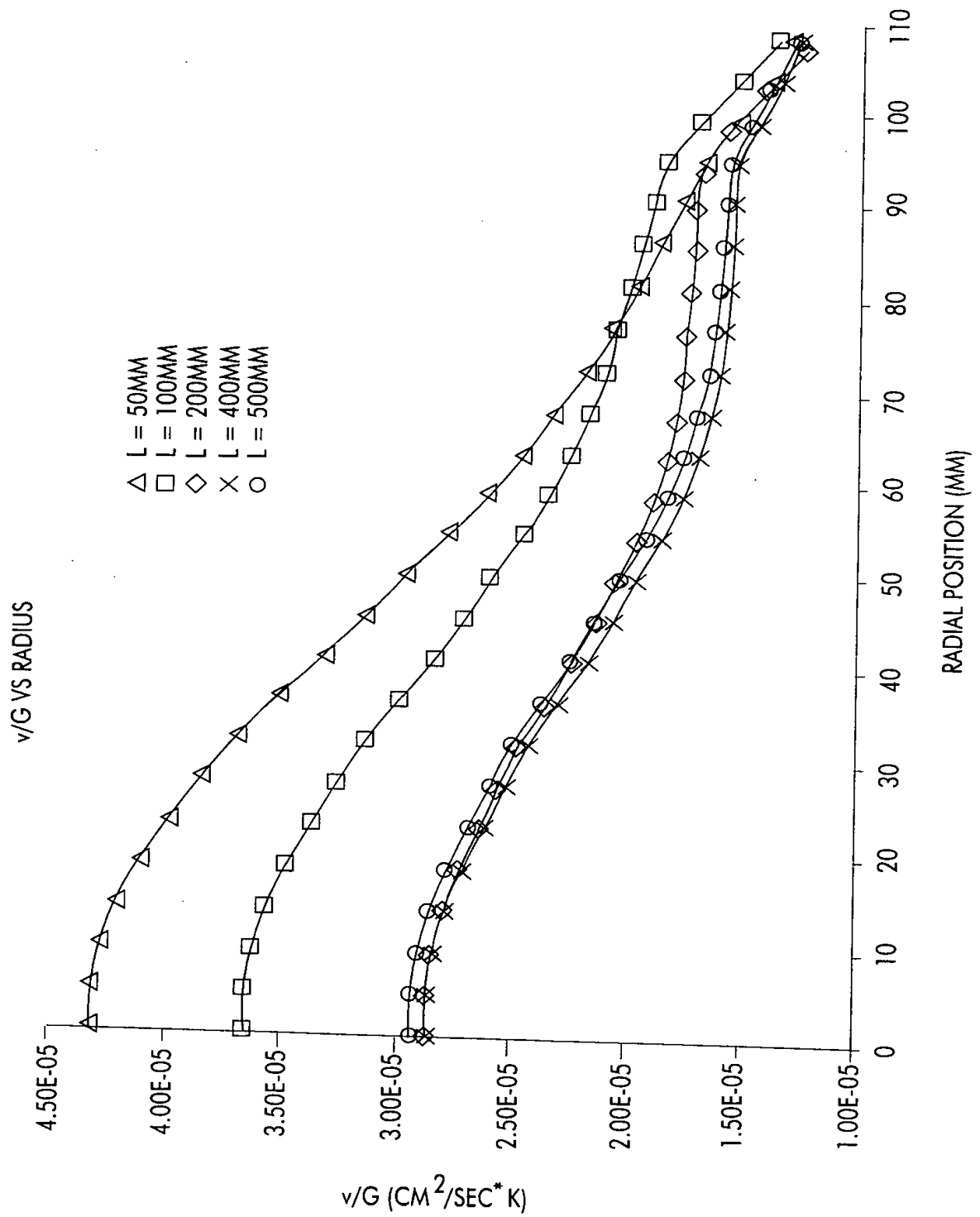


FIG.18



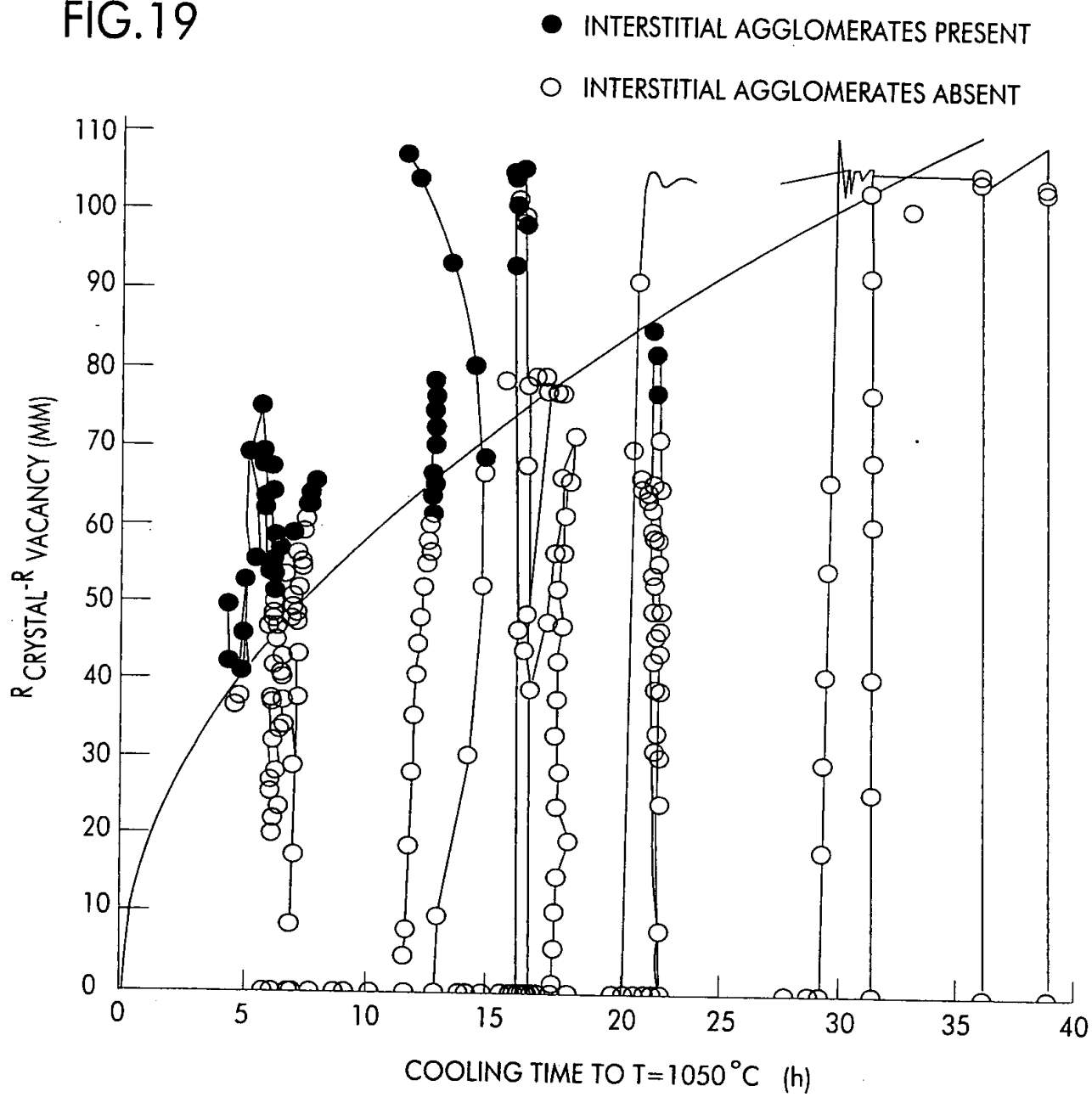




FIG. 20

AXIAL  
POSITION

235 mm

255 mm

350 mm

V/1 BOUNDARY, 2

VACANCY  
DOMINATED, 8

PULL RATE

- 0.4 mm/min.



AGGLOMERATED  
INTERSTITIAL DEFECTS, 28



FIG. 21

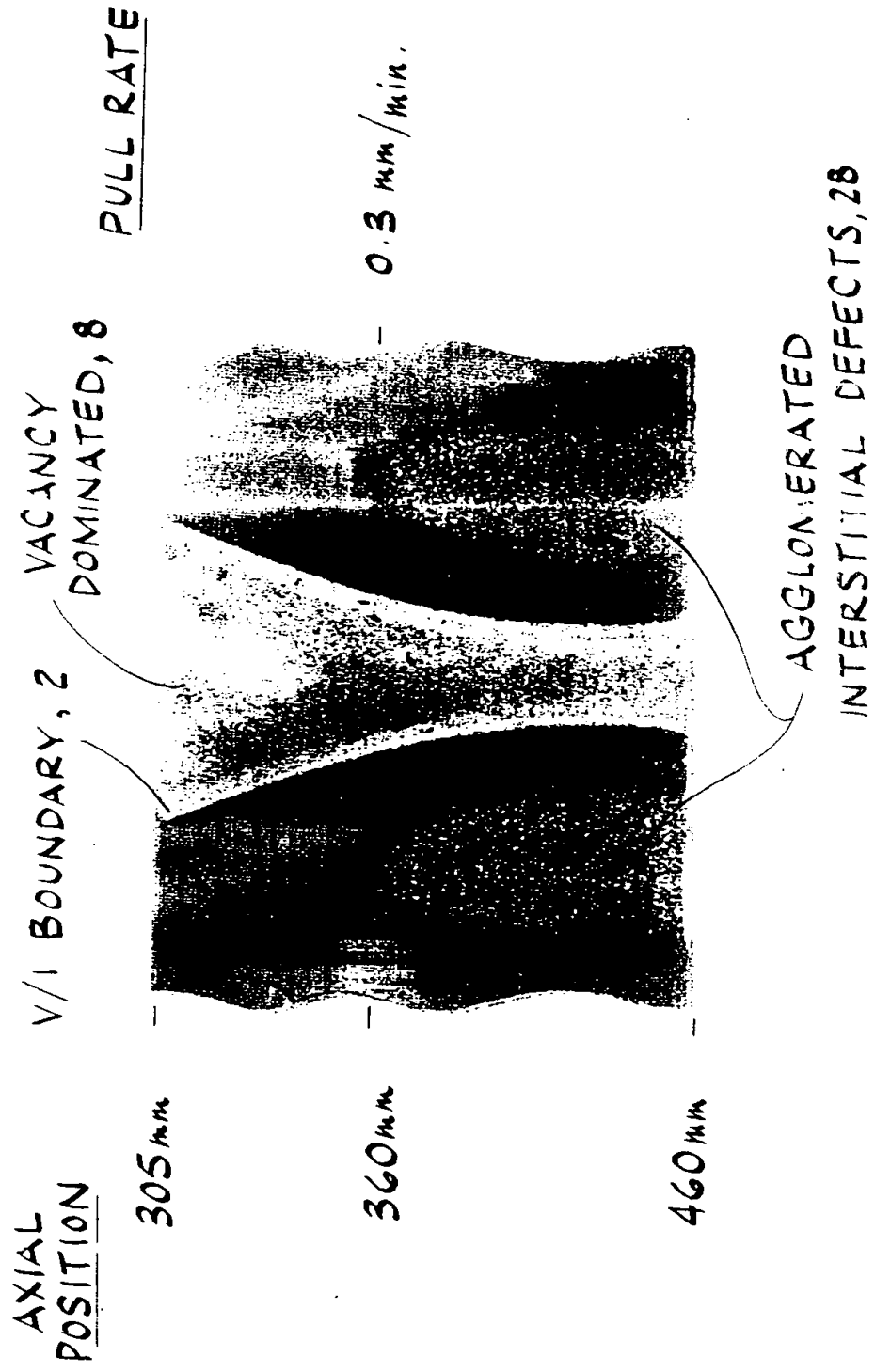
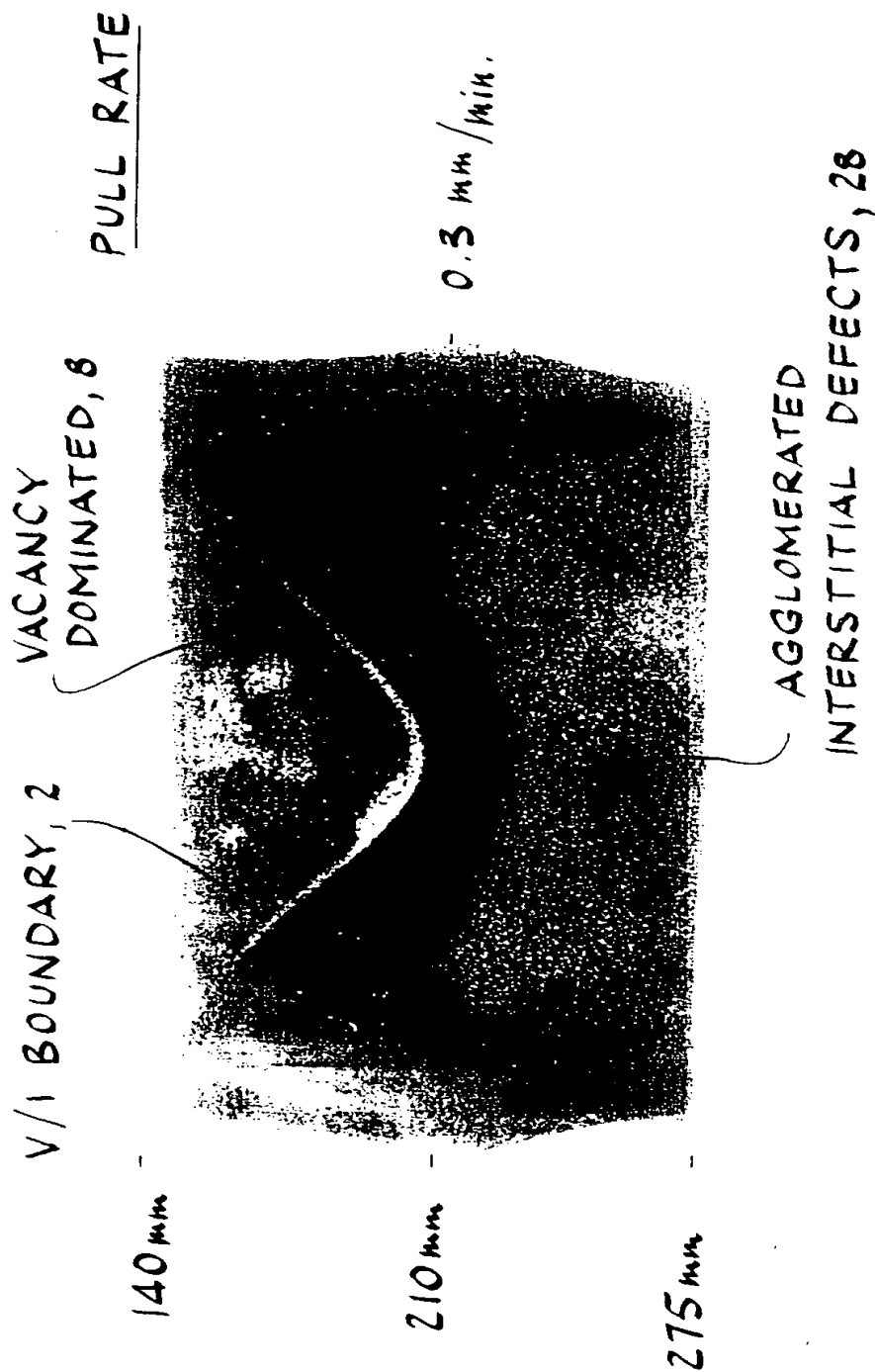


FIG. 22



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FIG. 23

AXIAL  
POSITION

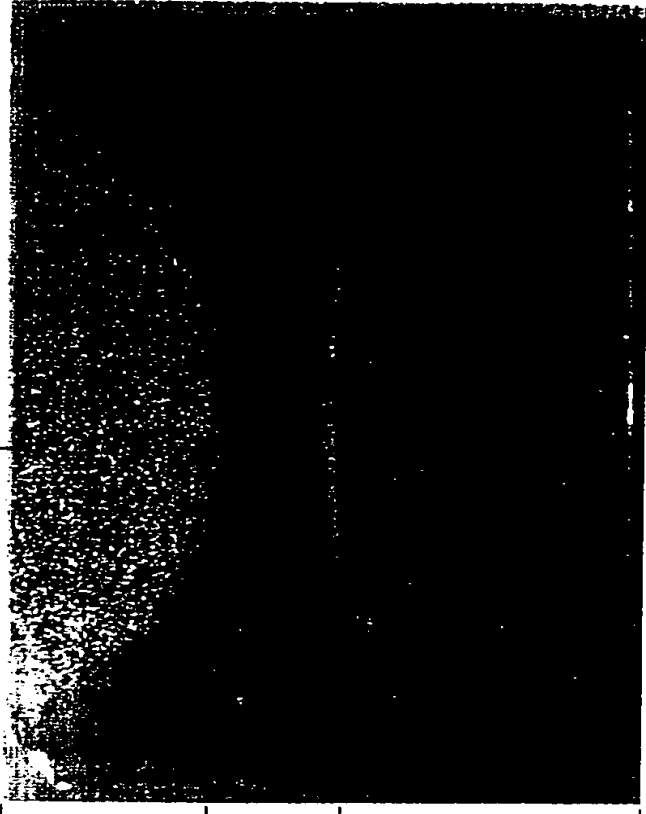
600mm

640mm

665mm

730mm

AGGLOMERATED  
INTERSTITIAL DEFECTS, 28  
PULL RATE



VACANCY  
DOMINATED, 8

FIG.24

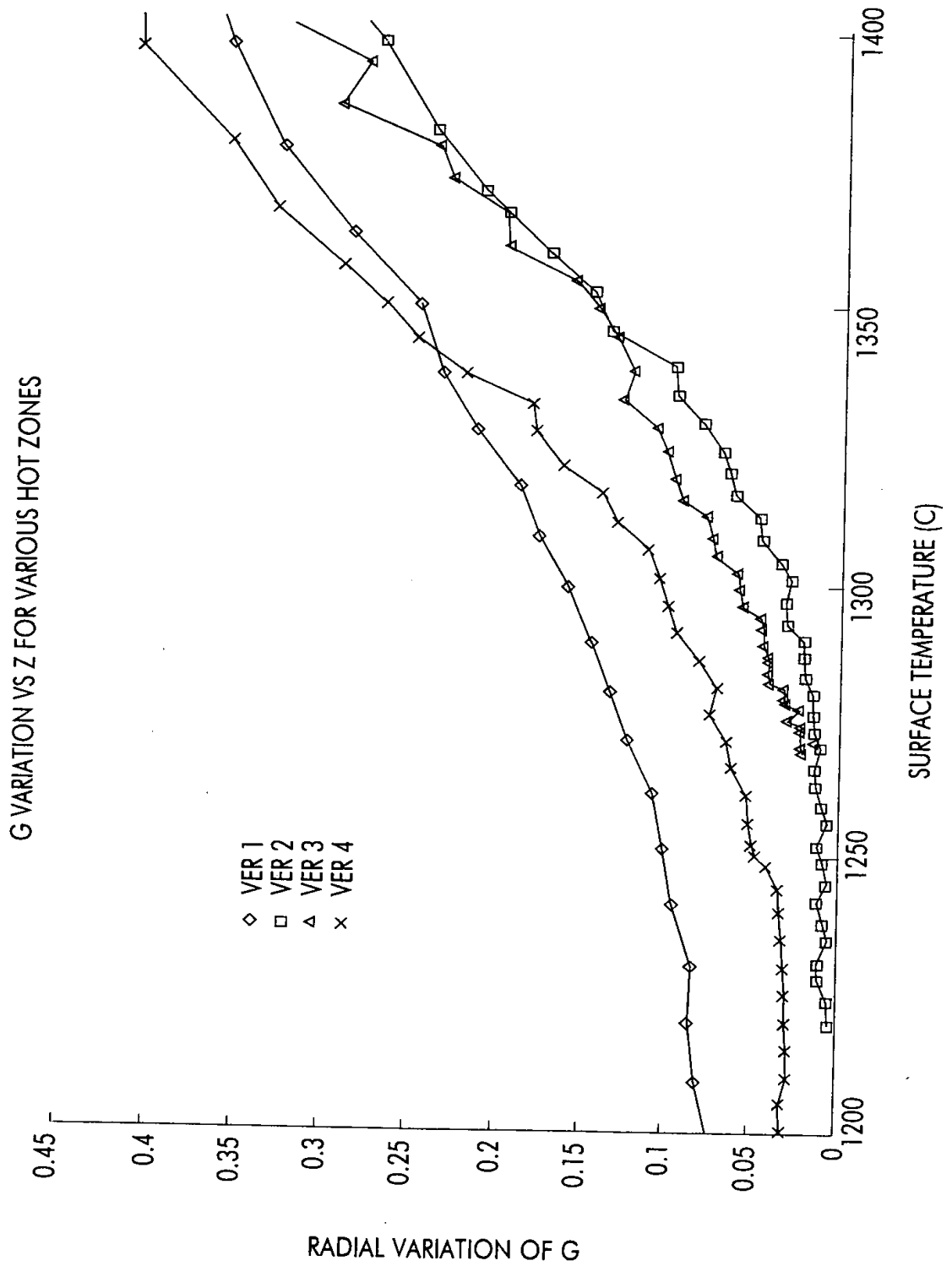




FIG.25

TEMPERATURE PROFILES FOR VARIOUS HOT ZONES

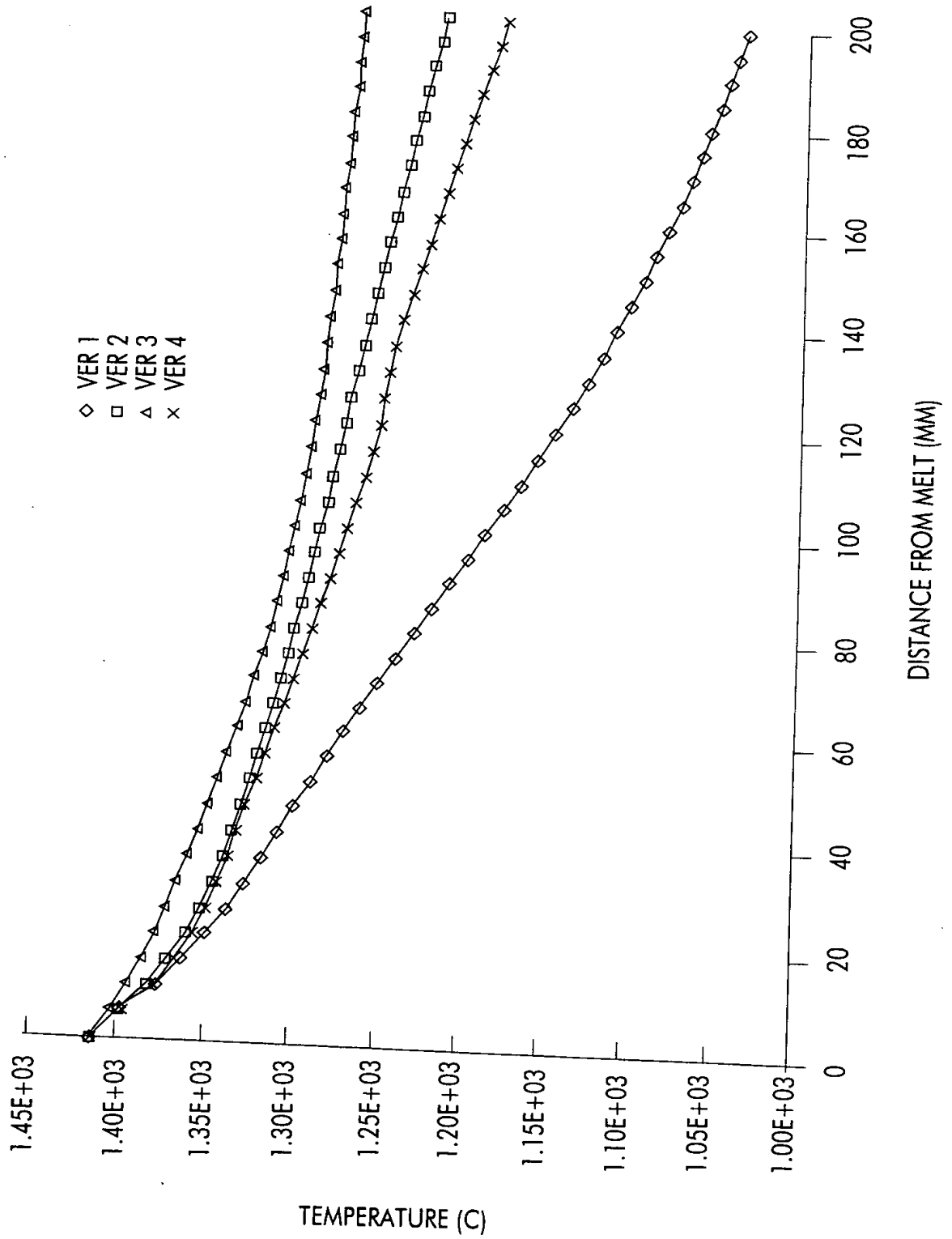




FIG. 26

LPD RADIAL DISTRIBUTION  
BEFORE/AFTER Ar ANNEALING (LPDs > 0.09  $\mu\text{m}$ )

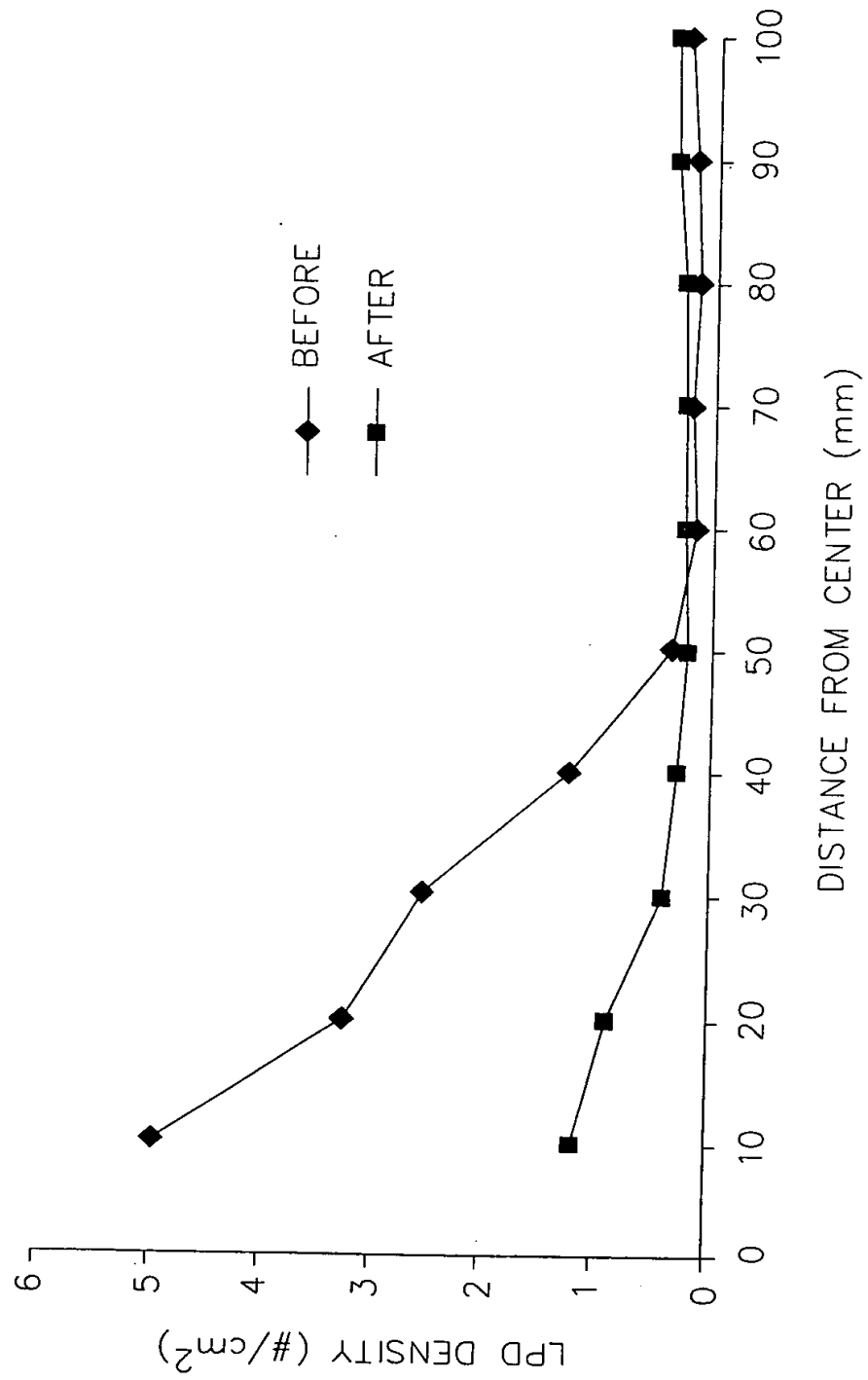


FIG. 27

LPD RADIAL DISTRIBUTION  
(BEFORE Ar ANNEALING: 0.09-0.11  $\mu\text{m}$ )

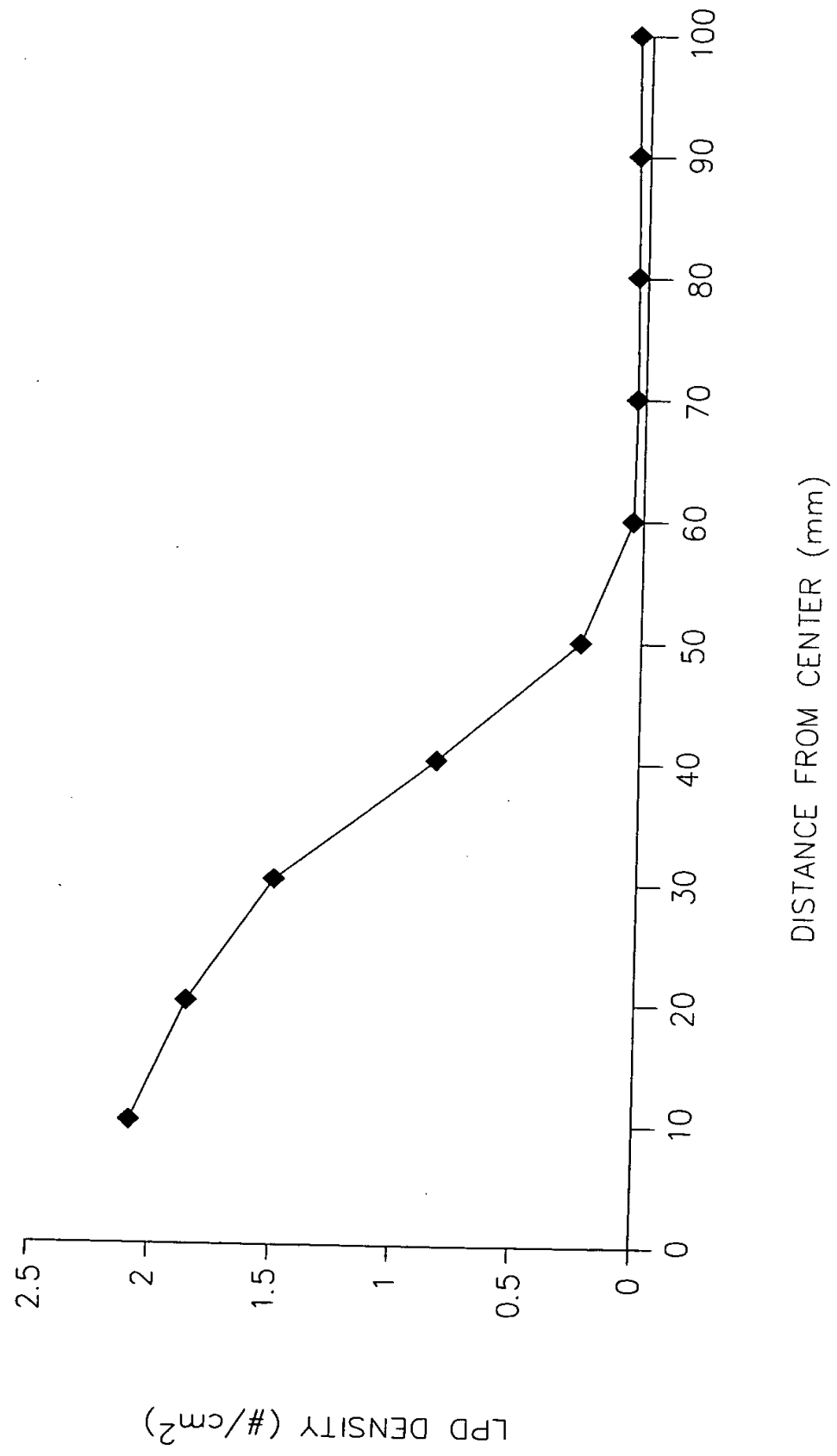




FIG. 28

LPD RADIAL DISTRIBUTION  
(AFTER Ar ANNEALING: 0.09–0.11  $\mu\text{m}$ )

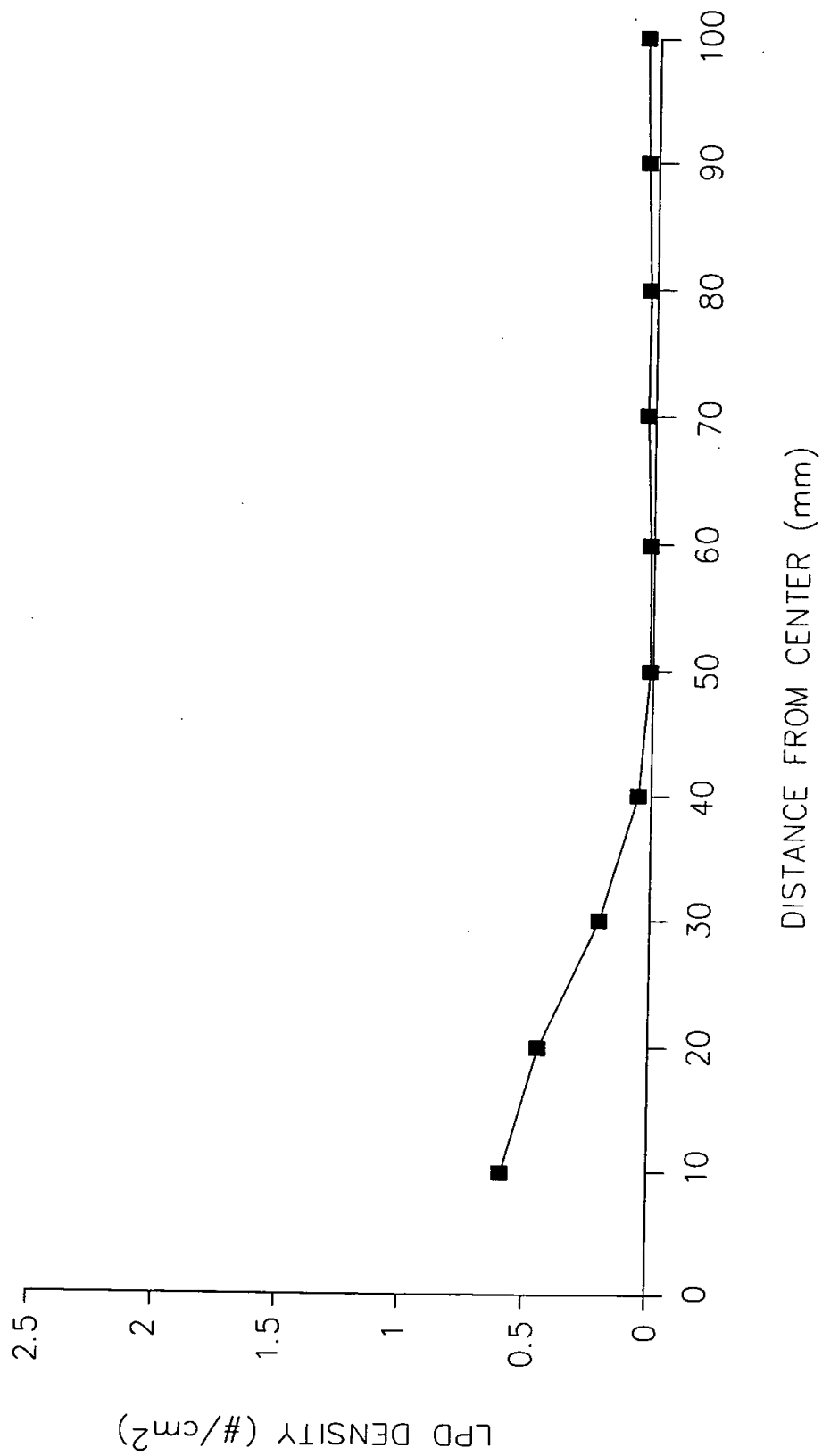


FIG. 29

LPD RADIAL DISTRIBUTION  
(BEFORE: 0.11-0.13  $\mu\text{m}$ )

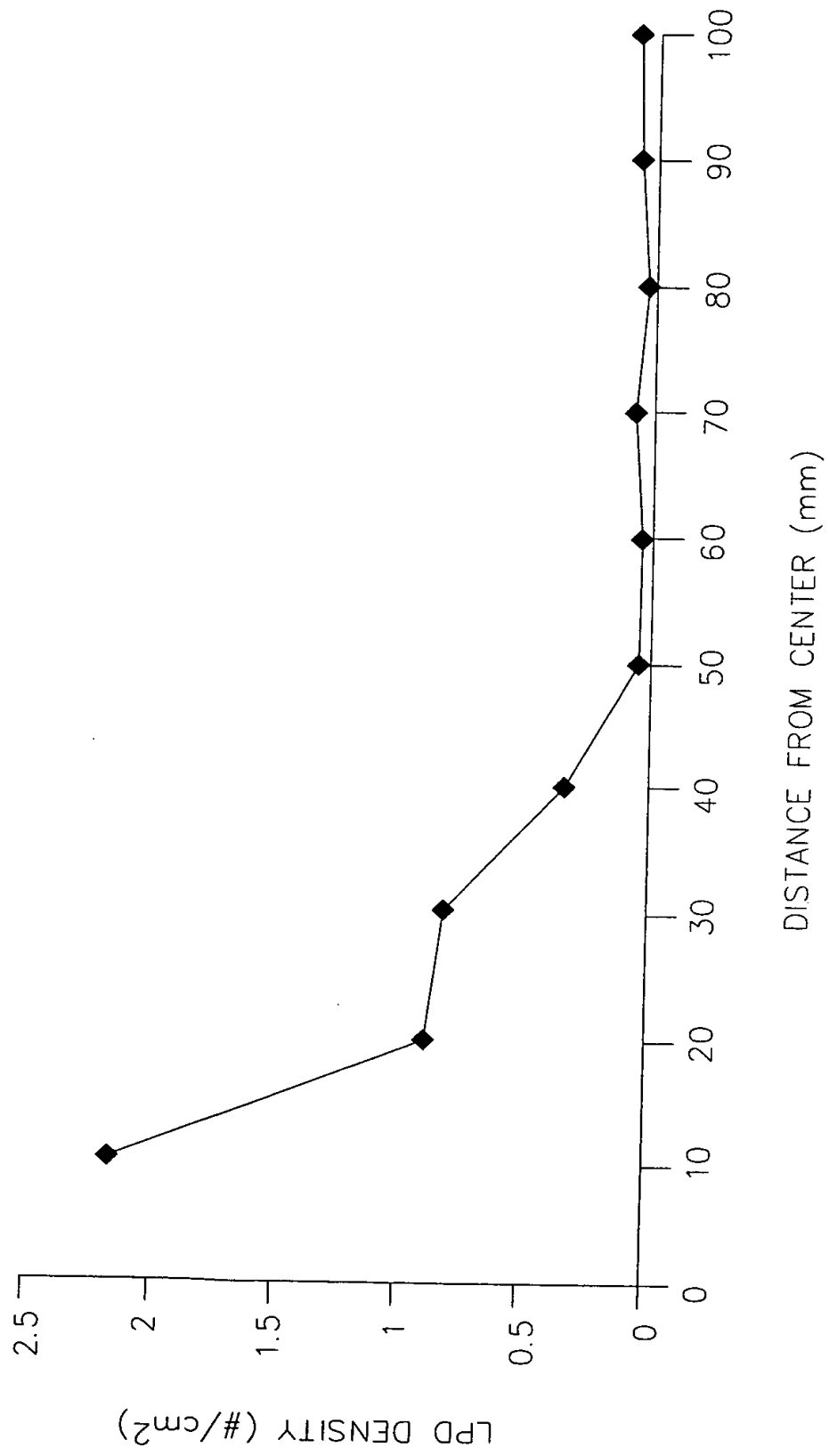




FIG. 30

LPD RADIAL DISTRIBUTION  
(AFTER Ar ANNEALING: 0.11-0.13  $\mu\text{m}$ )

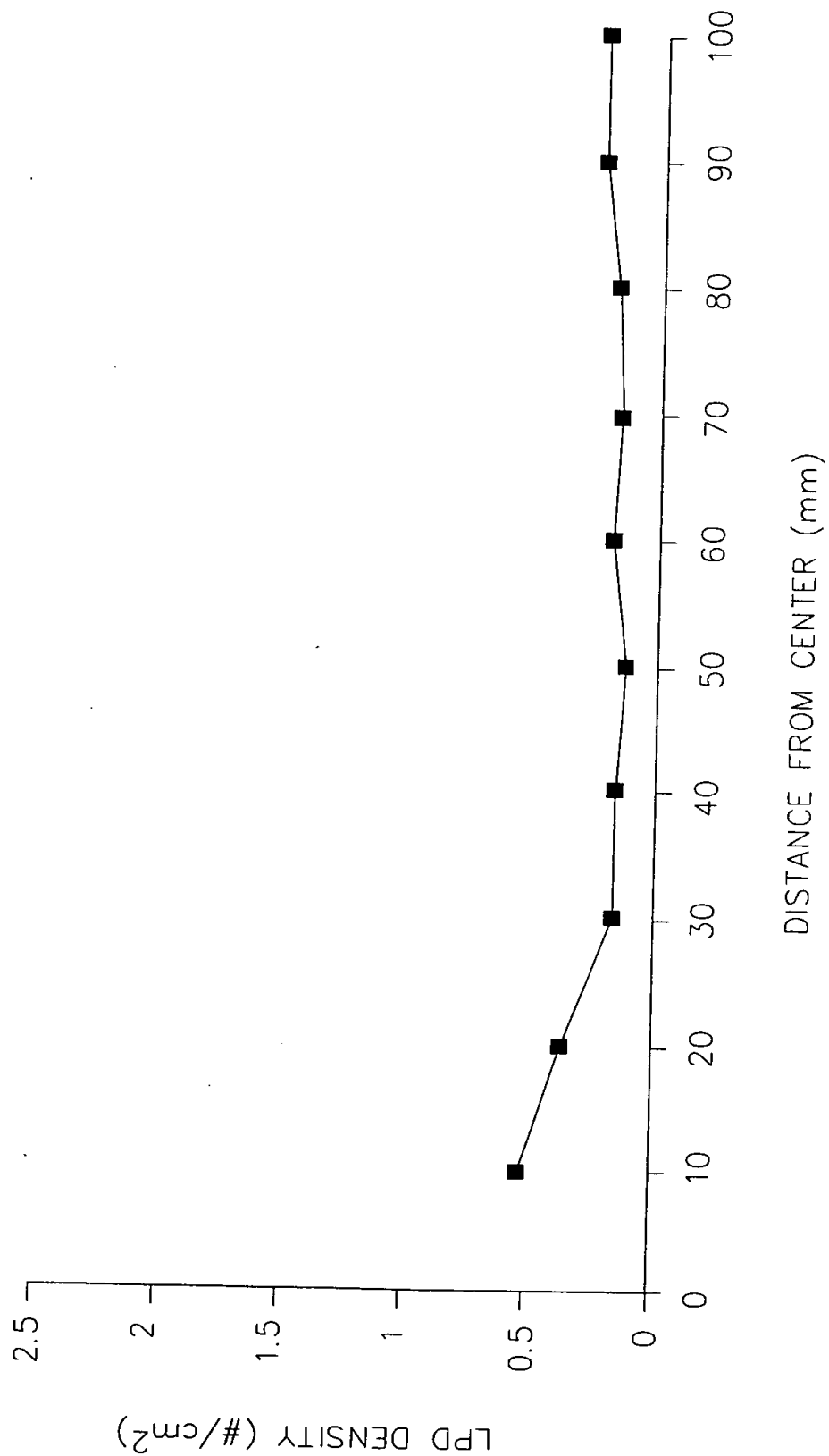




FIG. 31

LPD RADIAL DISTRIBUTION  
(BEFORE: 0.13-0.15  $\mu\text{m}$ )

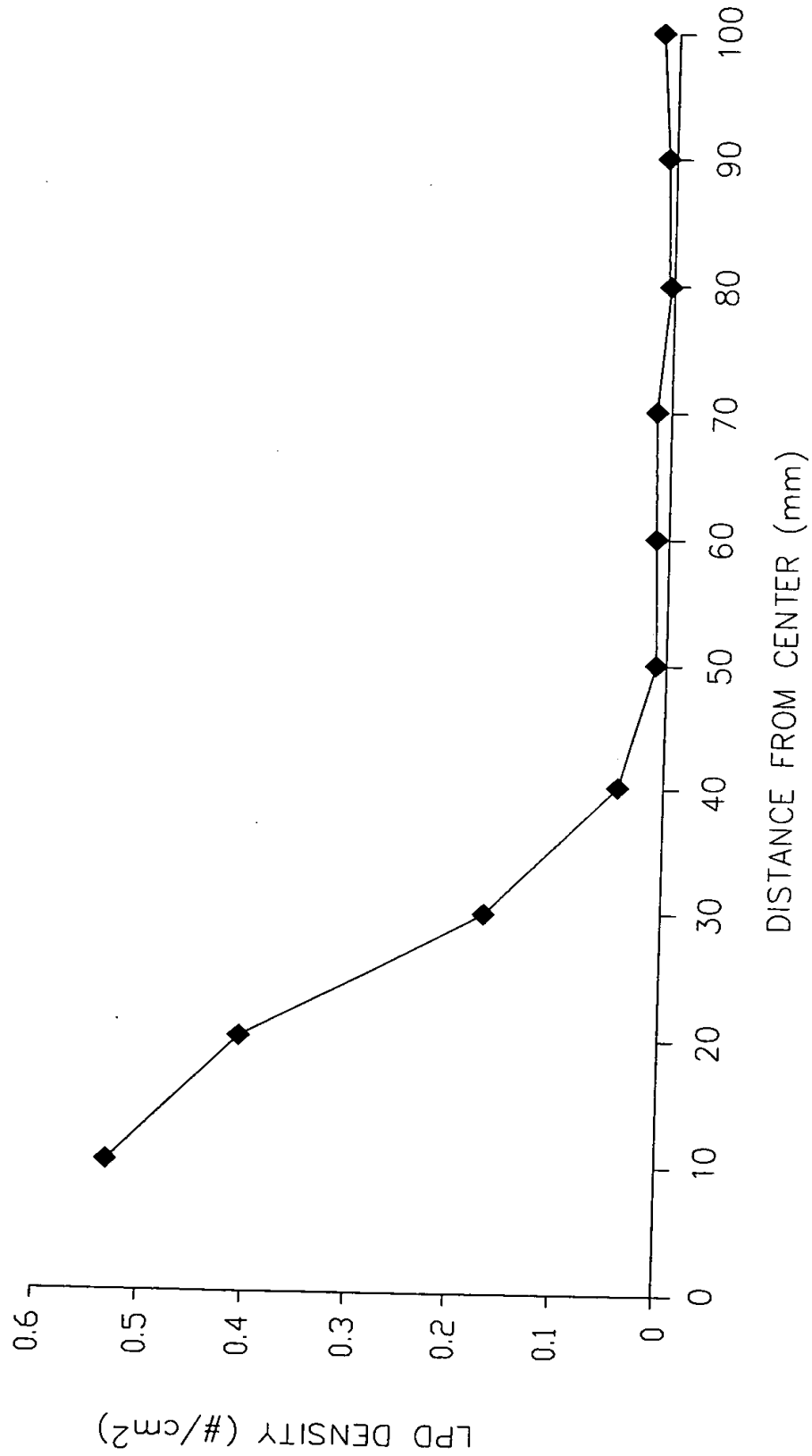


FIG. 32

LPD RADIAL DISTRIBUTION  
(AFTER Ar ANNEALING: 0.13–0.15  $\mu\text{m}$ )

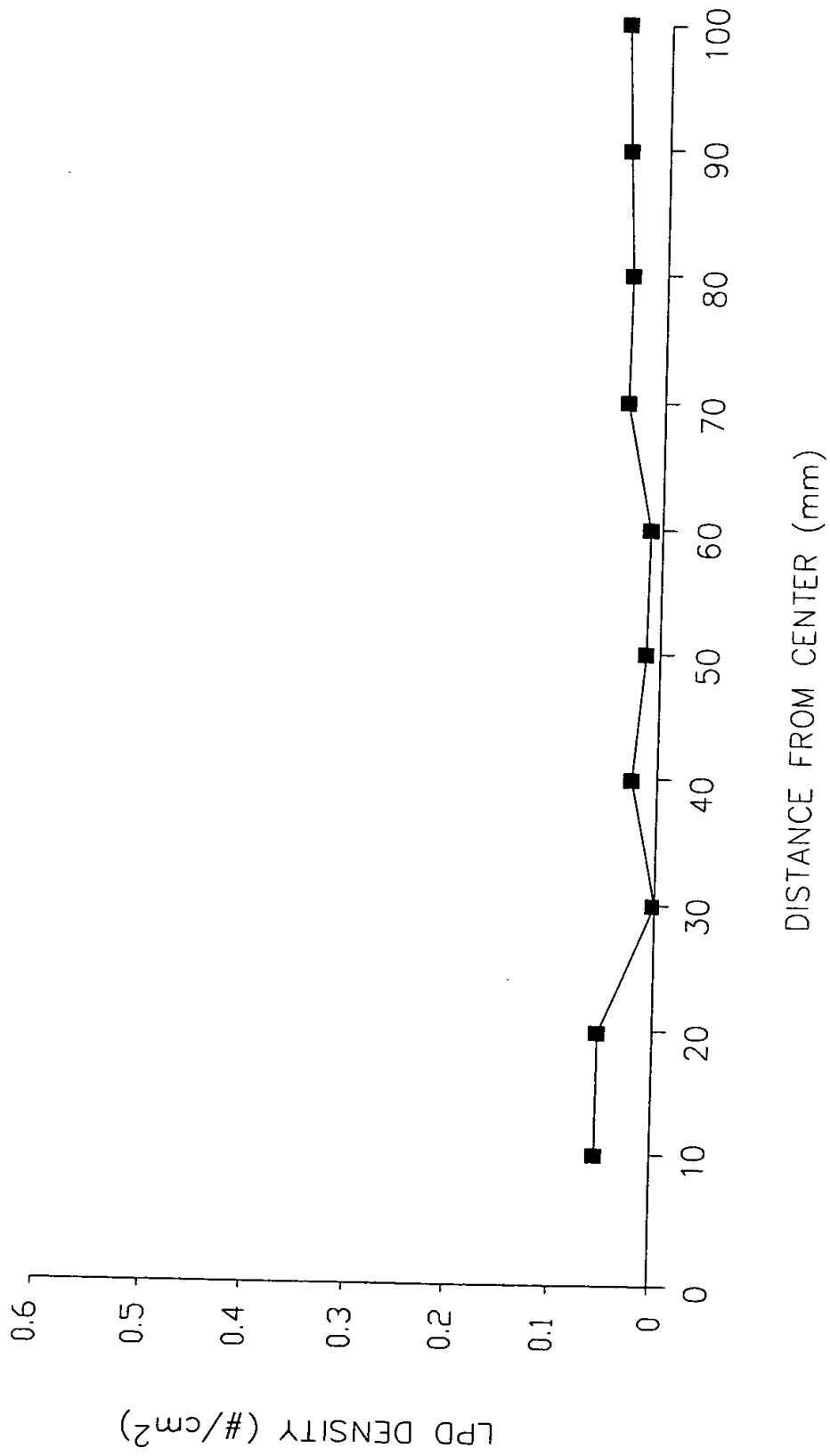


FIG. 33a

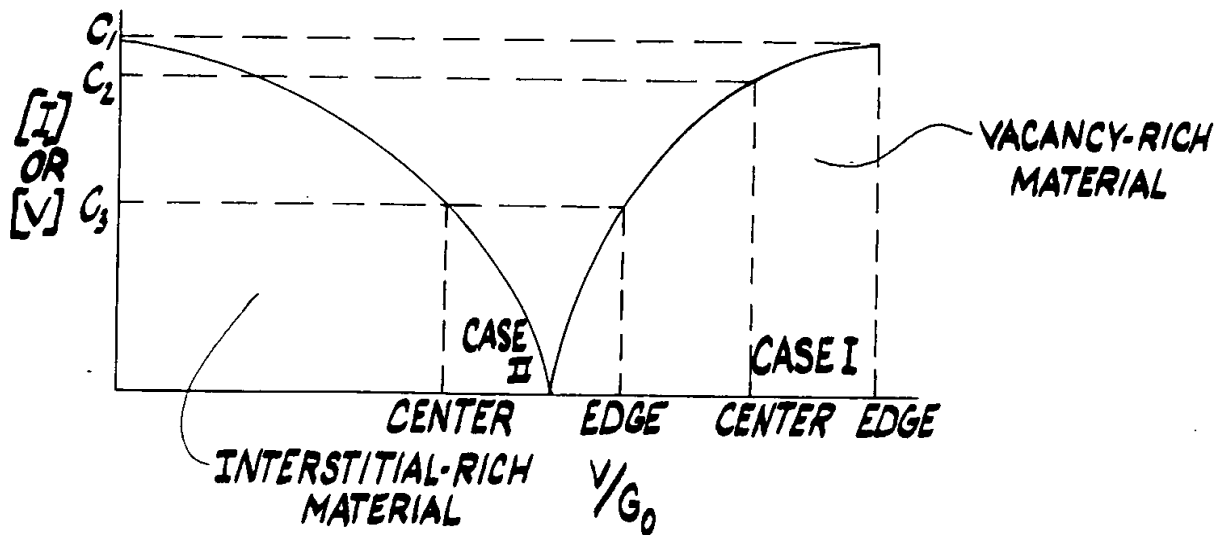


FIG. 33b

